Drought Status and Outlook

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State Climatologist
NM Drought Monitoring Work Group Chair

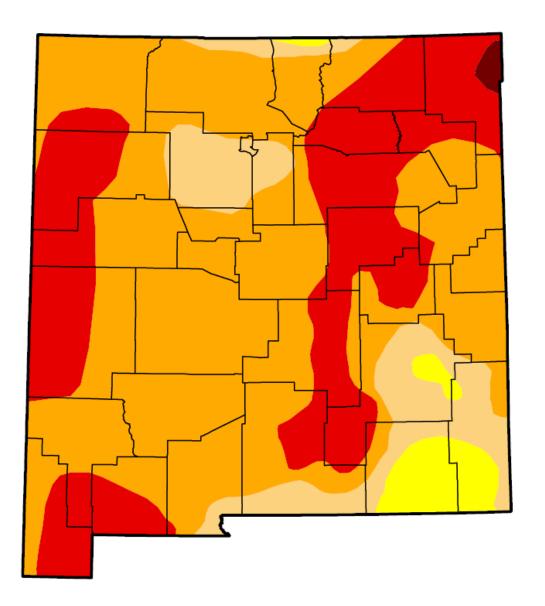
US Drought Monitor

Drought classification puts drought in historical perspective

<u>DM Level</u>	Name	Frequency		
D0	Abnormally dry	3-5 years		
D1	Moderate drought	5-10 yrs		
D2	Severe drought	10-20 yrs		
D3	Extreme drought	20-50 yrs		
D4	Exceptional drought	50-100 yrs		

U.S. Drought Monitor

New Mexico



June 24, 2014

(Released Thursday, Jun. 26, 2014)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	96.09	84.56	29.24	0.42
Last Week 6/17/2014	0.00	100.00	96.09	84.56	29.24	0.42
3 Months Ago 3/25/2014	0.49	99.51	97.49	65.09	24.56	0.00
Start of Calendar Year 12/31/2013	0.39	99.61	75.21	32.68	3.96	0.00
Start of Water Year 10/1/2013	1.66	98.34	74.92	37.81	3.39	0.00
One Year Ago 6/25/2013	0.00	100.00	100.00	98.79	93.46	44.79

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Eric Luebehusen
U.S. Department of Agriculture



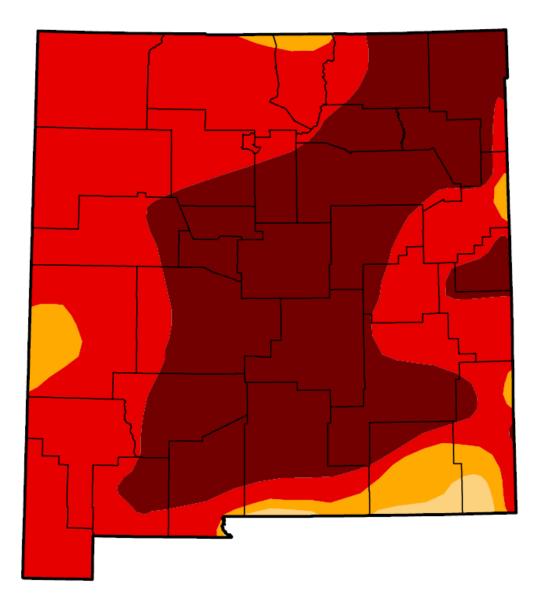






U.S. Drought Monitor

New Mexico



June 25, 2013

(Released Thursday, Jun. 27, 2013)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	98.79	93.46	44.79
Last Week 6/18/2013	0.00	100.00	100.00	98.49	90.18	44.13
3 Months Ago 3/26/2013	0.23	99.77	98.47	89.85	49.97	4.36
Start of Calendar Yea 1/1/2013	0.00	100.00	98.83	94.05	31.88	0.97
Start of Water Year 9/25/2012	0.00	100.00	100.00	62.56	12.25	0.66
One Year Ago 6/26/2012	0.00	100.00	99.64	85.75	25.25	0.00

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Mark Svoboda National Drought Mitigation Center



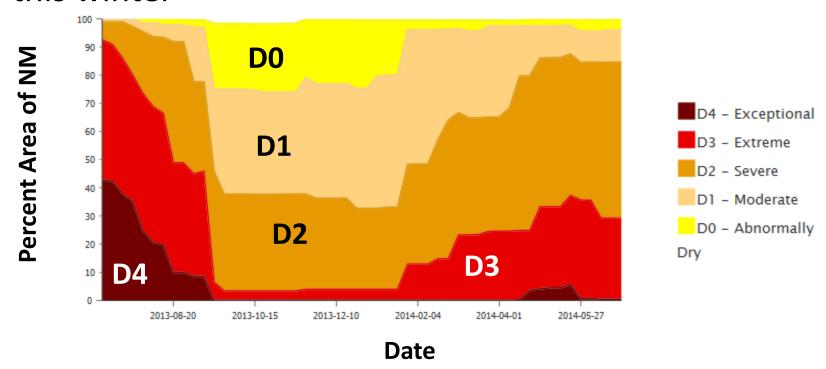




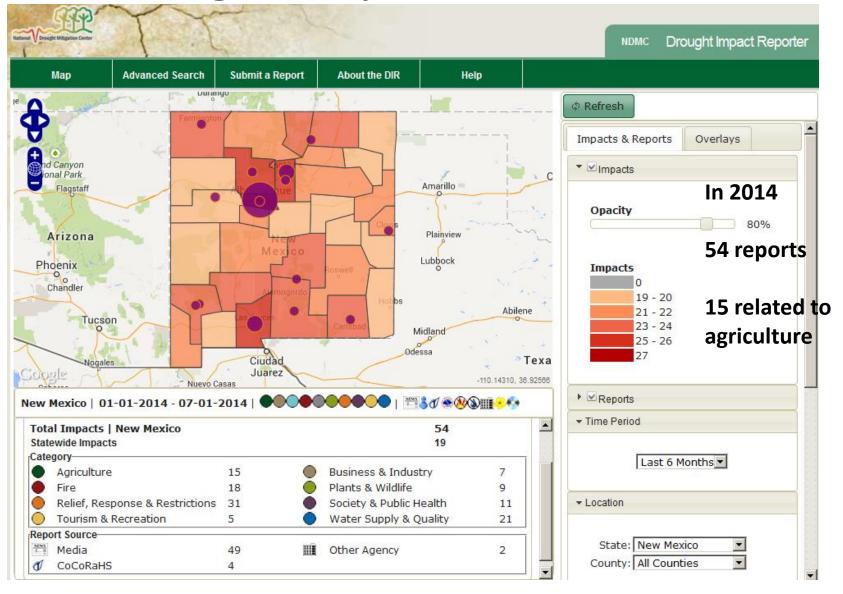


Last 12-months in Drought Monitor

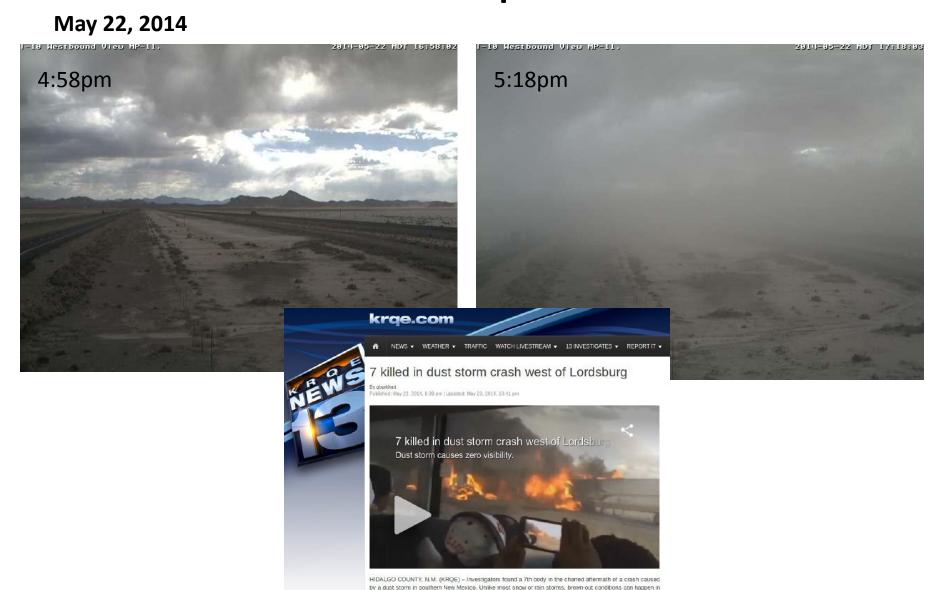
- Last year 93% in D3 & D4, this year 29%
- Currently <1% in D4 (last year 43%)
- Notice improvement last Sep. & redevelopment over this winter



Drought Impacts from NIDIS

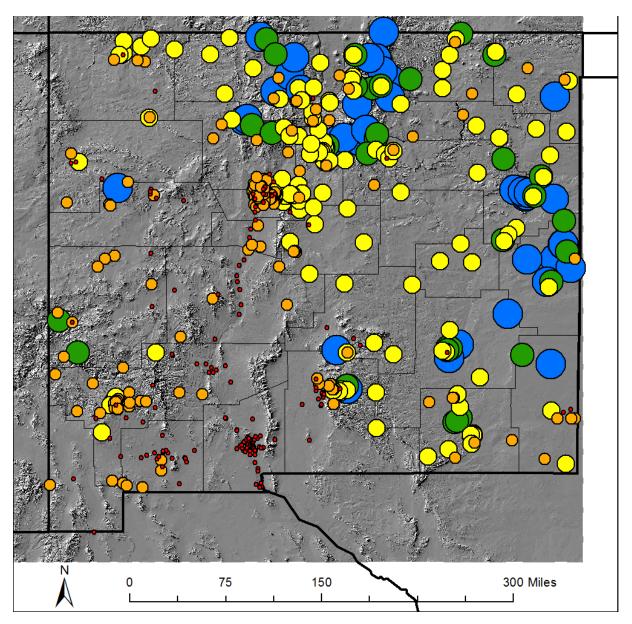


Dust Impacts



an instant, making the roadways disappear.

Year to Date Precipitation



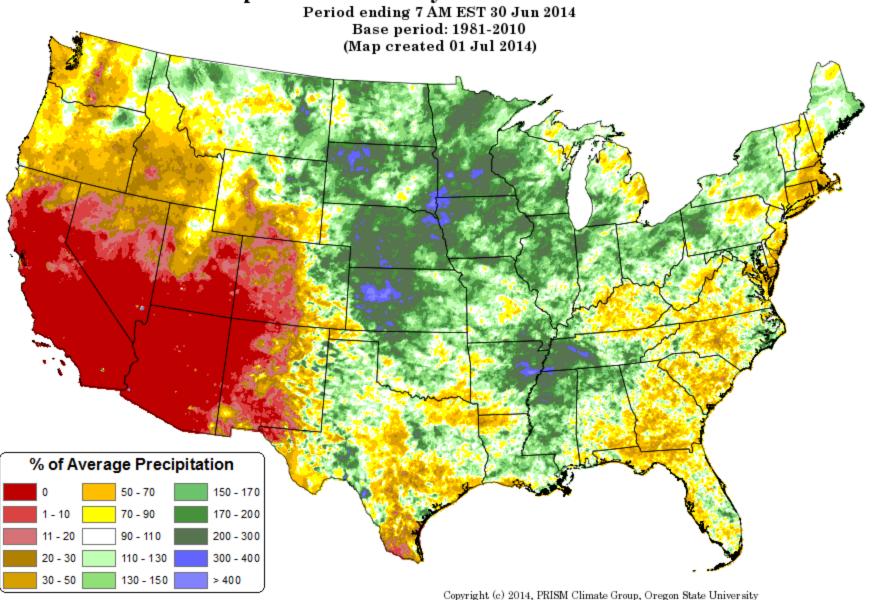
Legend

January to June 2014 Total Precip (inches)

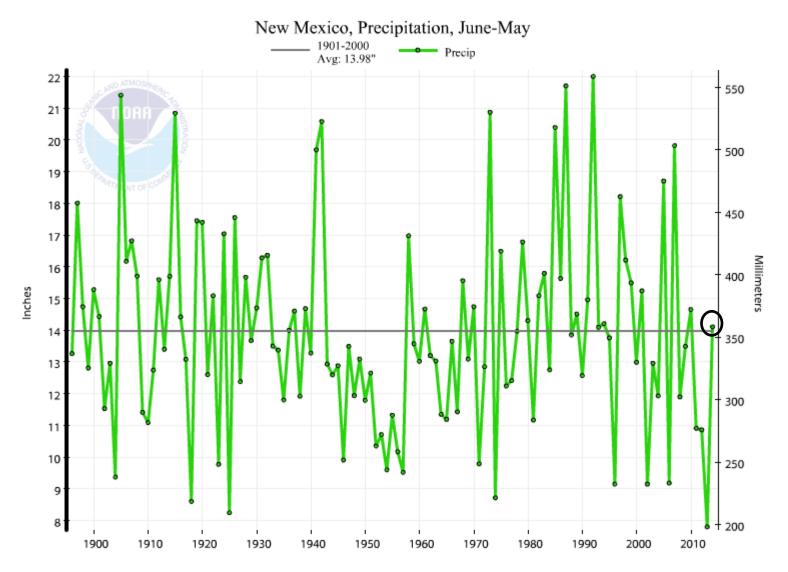
- 0.0 1.0
- 0 1.1 2.0
- 2.1 4.0
- 4.1 6.0
- 6.1 16.5

June Precipitation

Total Precipitation Anomaly: 01 June 2014 - 30 June 2014

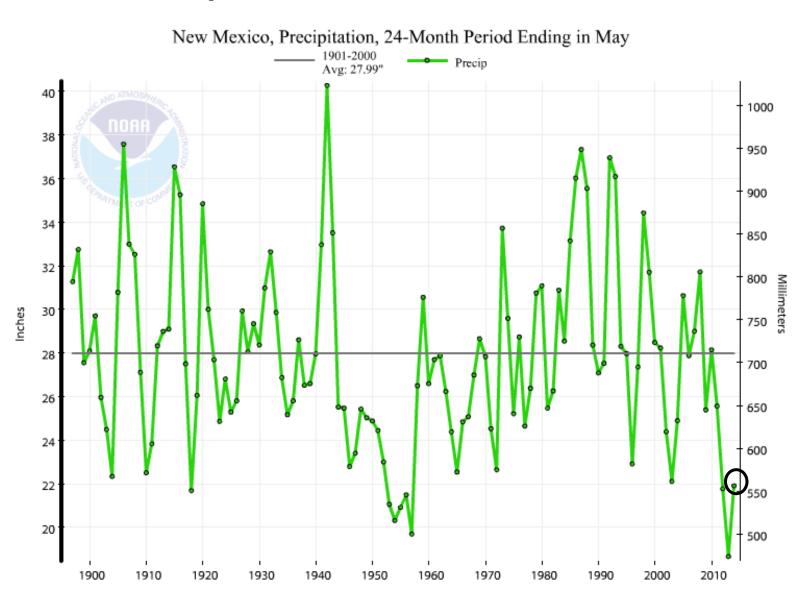


Last 12 Months (June 2013 – May 2014) NM Precipitation Rank (70th driest: +0.13"!!!)

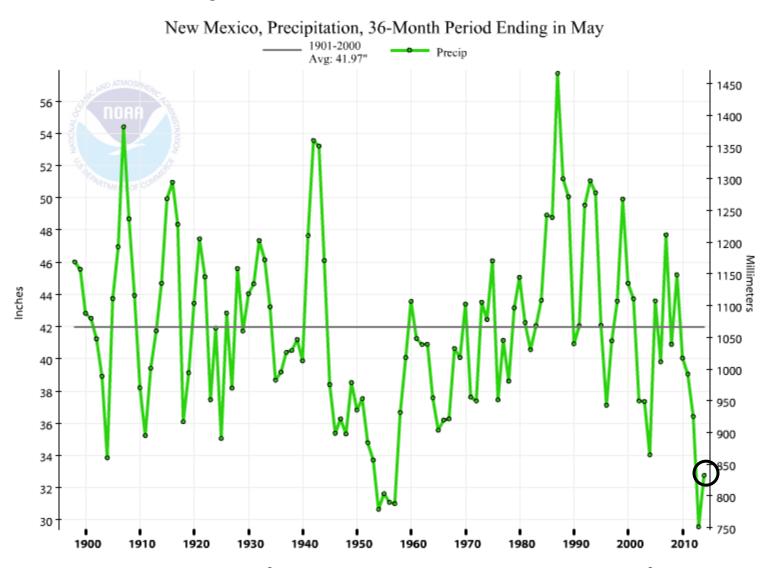


July & September 2013 combined for 55% of this 12 month period

24 Month (June 2012 – May 2014) NM Precipitation Rank (9th driest: -6.08")



36 Month (June 2011 – May 2014) NM Precipitation Rank (6th driest -9.20")

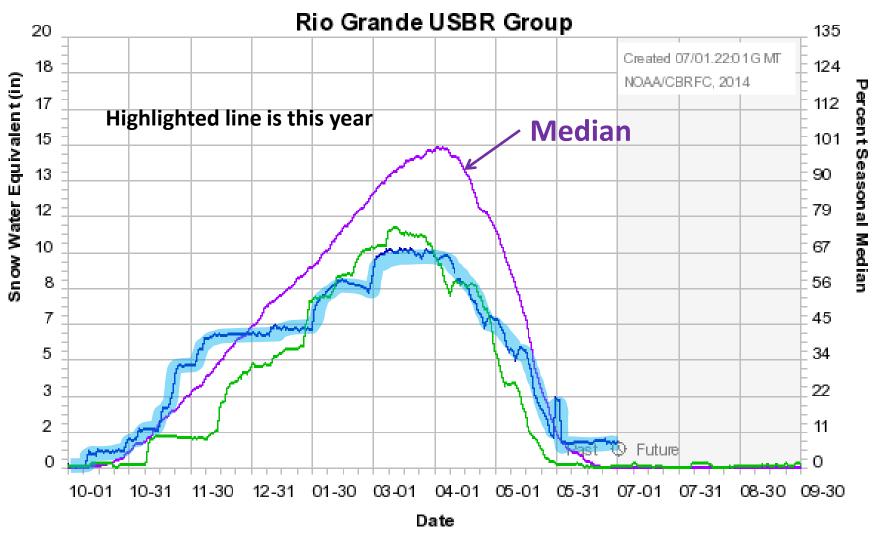


48 month: 5th driest...60 month: 7th driest

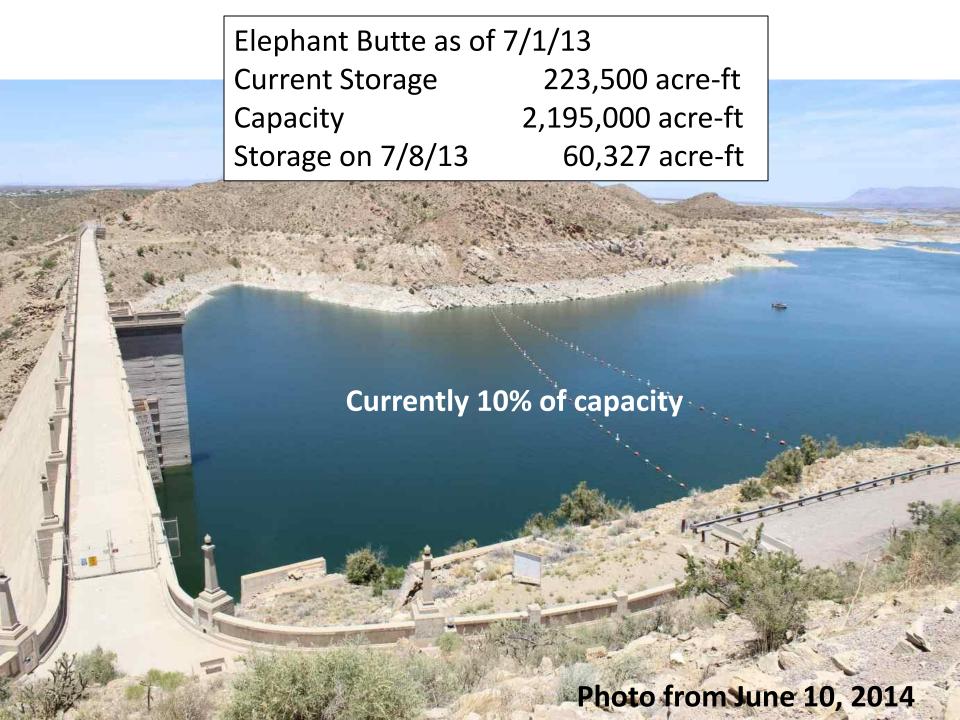


Rio Grande Basin Snow Observations

Colorado Basin River Forecast Center



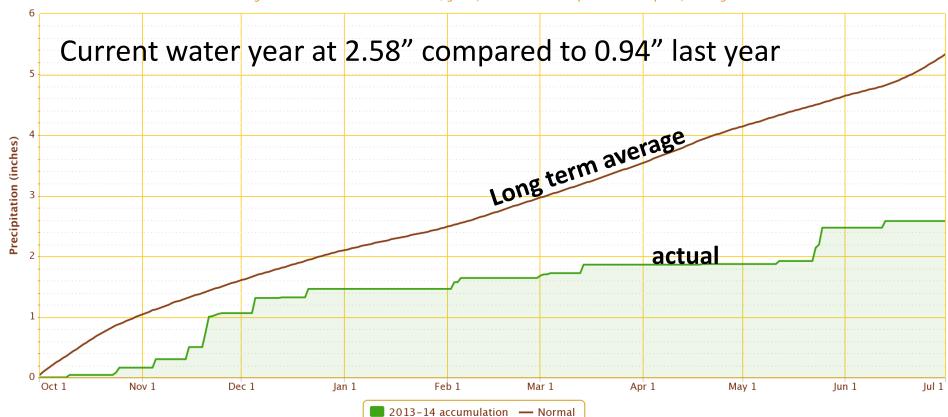
Median 1981-2010 - 2014 - 2013 -



Albuquerque Sunport – Water Year 2014 Precipitation

Water Year 48% of average

Accumulated Precipitation – ALBUQUERQUE INTL AP, NM Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

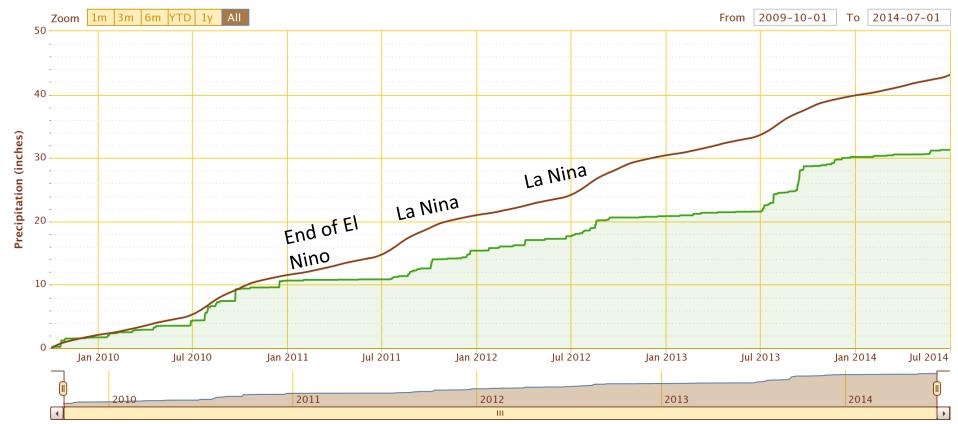


ABQ airport – accumulation of last 5 yrs

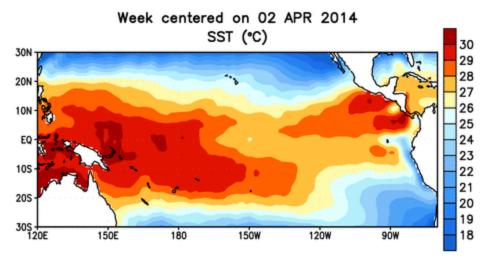
- Oct 2009 to June 2014
- 11.78" precipitation deficit over this period

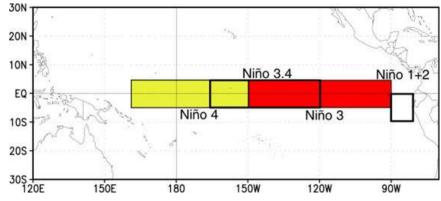
Accumulated Precipitation – ALBUQUERQUE INTL AP, NM

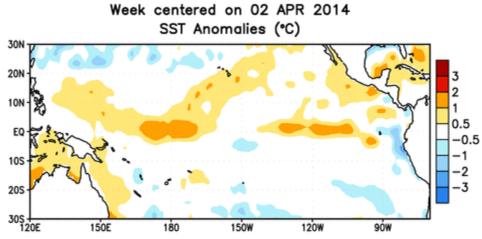
Use navigation tools above and below chart to change displayed range; green/black diamonds represent subsequent/missing values



3 Month Loop of Weekly SSTs/Anomallies



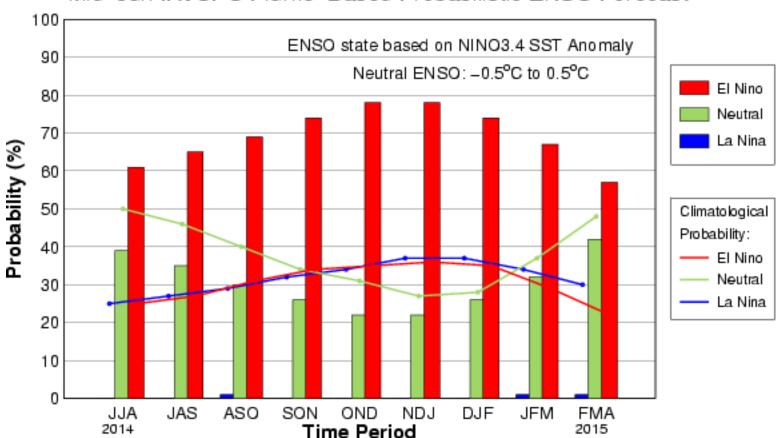




Seasonal Forecast

El Nino conditions likely starting this summer, continue thru winter

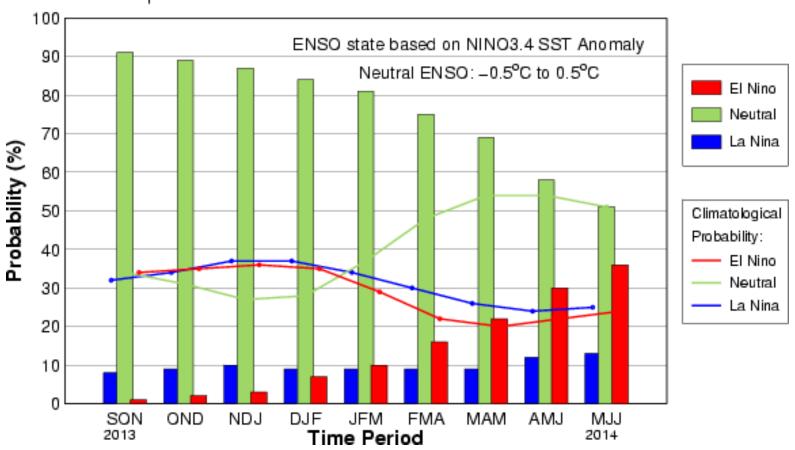
Mid-Jun IRI/CPC Plume-Based Probabilistic ENSO Forecast



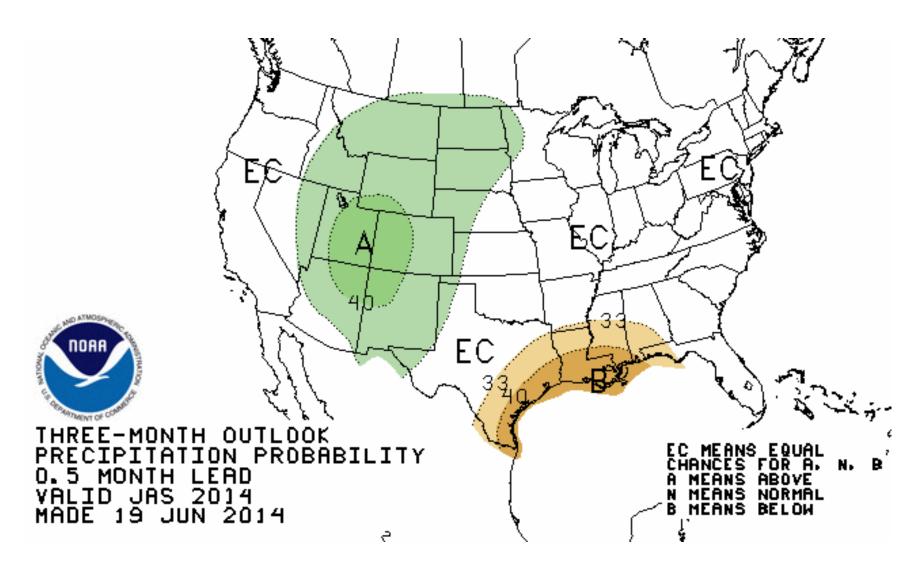
Last Year: Seasonal Forecast

Neutral ENSO conditions continued through 2013 and into 2014

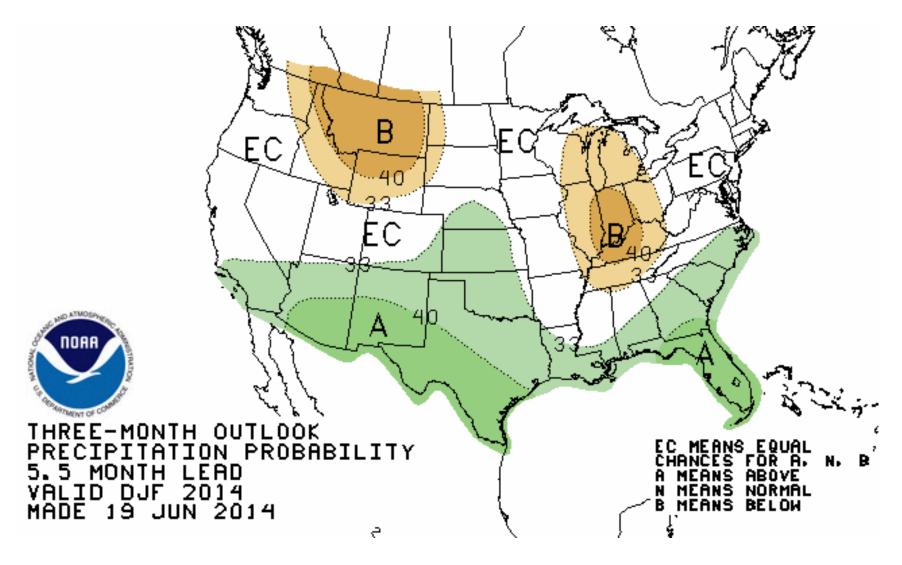
Mid-Sep IRI/CPC Plume-Based Probabilistic ENSO Forecast

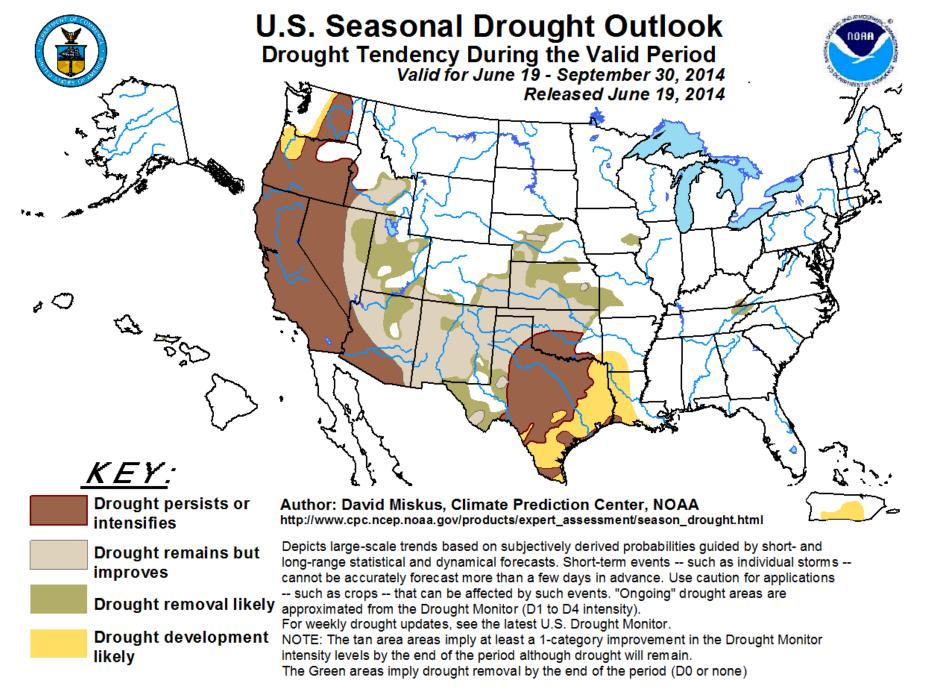


Summer Precipitation Outlook

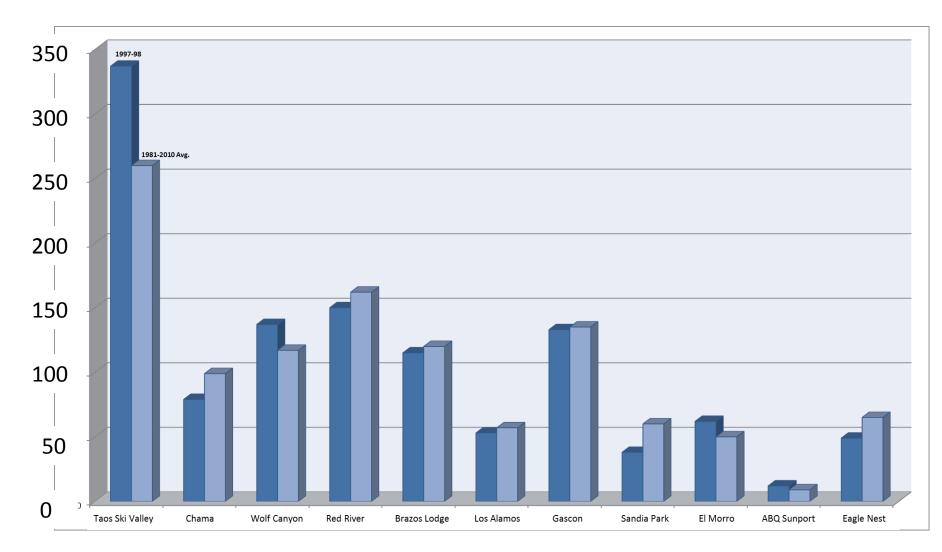


Winter Precipitation Outlook





But Look Back at 1997-1998 Strong El Nino (October 1997–May 1998 Snowfall vs normal)



Courtesy Chuck Jones, National Weather Service, Albuquerque

